Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cement/2500/2022-23	Date	09.12.2022

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	05.12.2022- 06.12.2023
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
BASAVASAMATHI LAYOUT	***2ND A CROSS ROAD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	29	Not specified	-
2	Initial setting time in	188.6	Shall not be less than 30 minutes	P
3	Final setting time in minutes	289.6	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	24.62	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	36.12	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	47.20	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Karnataka Material Test House Pvt. Ltd. Bangalore

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಬ್ಯಾಡರಹಳ್ಳಿಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cement/2510/2022-23	Date	12.12.2022

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	08.12.2022 to 09.12.2022
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
5TH BLOCK HMT LAYOUT	***17TH CROSS Rd***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	30	Not specified	-
2	Initial setting time in	189.6	Shall not be less than 30 minutes	P
3	Final setting time in minutes	299.6	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.22	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.67	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.86	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cement/2564/2022-23	Date	12.12.2022

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	07.12.2022- 08.12.2022
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
BASAVASAMATHI LAYOUT	***2nd B CROSS ROAD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	30	Not specified	-
2	Initial setting time in minutes	189.7	Shall not be less than 30 minutes	P
3	Final setting time in minutes	298.6	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.41	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	36.38	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.44	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cement/2590/2022-23	Date	26.12.2022

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	22.12.2022-23.12.2022
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
TINDLU ROAD	***9TH CROSS ROAD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	28.8	Not specified	-
2	Initial setting time in	192.2	Shall not be less than 30 minutes	P
3	Final setting time in minutes	300.2	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	24.88	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	36.23	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	25.86	Shall not be less than 43.0 MPa	P
** As furnished by the client*		P : Passes IS requirement	F: Fails IS requirements	
		TTC : Test to be conducted		

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph :080- 2341 8668, 23511213 Mobile: 94485 15050

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CEMENT/3050/2022-23	Date	05.12.2022

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	01.12.2022-02.12.2022
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
NAIDU LAYOUT	***MAIN ROAD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	29.8	Not specified	-
2	Initial setting time in	191.2	Shall not be less than 30 minutes	P
3	Final setting time in minutes	289.8	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.32	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.86	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.86	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CEMENTe/3051/2022-23	Date	17.02.2023

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	14.02.2023-16.02.2023
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
MARIYAMMA BLOCK	***MAIN ROAD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	28.8	Not specified	-
2	Initial setting time in	185.9	Shall not be less than 30 minutes	P
3	Final setting time in minutes	302.6	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.41	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	26.72	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.33	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2507/2022-23	Date	12.12.2022

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	08.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
5TH BLOCK HMT LAYOUT	***17TH CROSS Rd***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	15.6	1.56	1.56	98.44	90 – 100	*90 – 100*	90 – 100	90-100
2.36	36.4	3.64	5.20	94.80	60 – 95	*75 – 100*	85 – 100	95-100
1.18	220.4	22.04	27.24	72.76	30 – 70	*55 – 90*	75 – 100	90-100
0.6	312.2	31.22	58.46	41.54	15 – 34	*35 – 59*	60 – 79	80-100
0.3	285.4	28.54	87.00	13.00	5 – 20	*8 – 30*	12 – 40	15-50
0.15	54.6	5.46	92.46	7.54	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2562/2022-23	Date	09.12.2022

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	07.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
BASAVASAMATHI LAYOUT	***2nd B CROSS ROAD***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	19.2	1.92	1.92	98.08	90 – 100	*90 – 100*	90 – 100	90-100
2.36	46.2	4.62	6.54	93.46	60 – 95	*75 – 100*	85 – 100	95-100
1.18	250.4	25.04	31.58	68.42	30 – 70	*55 – 90*	75 – 100	90-100
0.6	300.2	30.02	61.60	38.40	15 – 34	*35 – 59*	60 – 79	80-100
0.3	275.4	27.54	89.14	10.86	5 – 20	*8 – 30*	12 – 40	15-50
0.15	95.6	9.56	98.70	1.30	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd

(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/F-Aggregate/2589/2022-23	Date	26.12.2022

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	22.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
TINDLU ROAD	***9TH CROSS ROAD***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	20.2	2.02	2.02	97.98	90 – 100	*90 – 100*	90 – 100	90-100
2.36	42.6	4.26	6.28	93.72	60 – 95	*75 – 100*	85 – 100	95-100
1.18	126.6	12.66	18.94	81.06	30 – 70	*55 – 90*	75 – 100	90-100
0.6	312.6	31.26	50.20	49.80	15 – 34	*35 – 59*	60 – 79	80-100
0.3	286.6	28.66	78.86	21.14	5 – 20	*8 – 30*	12 – 40	15-50
0.15	150.2	15.02	93.88	6.12	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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ವಿಶ್ವಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/3045/2022-23	Date	05.12.2022

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	01.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
NAIDU LAYOUT	***MAIN ROAD***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	18.6	1.86	1.86	98.14	90 – 100	*90 – 100*	90 – 100	90-100
2.36	26.4	2.64	4.50	95.50	60 – 95	*75 – 100*	85 – 100	95-100
1.18	326.4	32.64	37.14	62.86	30 – 70	*55 – 90*	75 – 100	90-100
0.6	286.4	28.64	65.78	34.22	15 – 34	*35 – 59*	60 – 79	80-100
0.3	218.6	21.86	87.64	12.36	5 – 20	*8 – 30*	12 – 40	15-50
0.15	120.4	12.04	99.68	0.32	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/3046/2022-23	Date	17.02.2023

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	14.02.2023
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
MARIYAMMA BLOCK	***MAIN ROAD***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	20.6	2.06	2.06	97.94	90 – 100	*90 – 100*	90 – 100	90-100
2.36	80.2	8.02	10.08	89.92	60 – 95	*75 – 100*	85 – 100	95-100
1.18	238.6	23.86	33.94	66.06	30 – 70	*55 – 90*	75 – 100	90-100
0.6	260.4	26.04	59.98	40.02	15 – 34	*35 – 59*	60 – 79	80-100
0.3	254.2	25.42	85.40	14.60	5 – 20	*8 – 30*	12 – 40	15-50
0.15	140.2	14.02	99.42	0.58	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

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Approved by
Narayanswamy.B

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ವಿಶ್ವನೀಡಕರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2504/2022-23	Date	06.12.2022

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	05.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
BASAVASAMATHI LAYOUT	***2ND A CROSS ROAD***

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	339.4	6.79	6.79	93.21	85-100	90 to 100	
10	2562.4	51.25	58.04	41.96	0 to 20	25 to 55	
4.75	1726	34.52	92.56	7.44	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	162.2	3.24	3.24	96.76	85-100	90 to 100	
20	3962.4	79.25	82.49	17.51	0 to 20	30 to 70	
10	850.2	17.00	99.50	0.50	0 to 5	10 to 25	
4.75	25.2	0.50	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2508/2022-23	Date	12.12.2022

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	08.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
5TH BLOCK HMT LAYOUT	***17TH CROSS Rd***

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	339.4	6.79	6.79	93.21	85-100	90 to 100	
10	2562.4	51.25	58.04	41.96	0 to 20	25 to 55	
4.75	1726	34.52	92.56	7.44	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	153.8	3.08	3.08	96.92	85-100	90 to 100	
20	4206.8	84.14	87.21	12.79	0 to 20	30 to 70	
10	522.4	10.45	97.66	2.34	0 to 5	10 to 25	
4.75	117	2.34	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2563/2022-23	Date	09.12.2022

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	07.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
BASAVASAMATHI LAYOUT	***2nd B CROSS ROAD***

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	342.6	6.85	6.85	93.15	85-100	90 to 100	
10	2732.2	54.64	61.50	38.50	0 to 20	25 to 55	
4.75	1584	31.68	93.18	6.82	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	132.4	2.65	2.65	97.35	85-100	90 to 100	
20	4202.6	84.05	86.70	13.30	0 to 20	30 to 70	
10	650	13.00	99.70	0.30	0 to 5	10 to 25	
4.75	15	0.30	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/3047/2022-23	Date	05.12.2022

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	01.12.2022
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
NAIDU LAYOUT	***MAIN ROAD***

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	340.2	6.80	6.80	93.20	85-100	90 to 100	
10	2798.6	55.97	62.78	37.22	0 to 20	25 to 55	
4.75	1842.6	36.85	99.63	0.37	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	172.6	3.45	3.45	96.55	85-100	90 to 100	
20	4002.6	80.05	83.50	16.50	0 to 20	30 to 70	
10	750.2	15.00	98.51	1.49	0 to 5	10 to 25	
4.75	74.8	1.50	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/3048/2022-23	Date	17.02.2023

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	14.02.2023
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
MARIYAMMA BLOCK	***MAIN ROAD***

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	198.6	3.97	3.97	96.03	85-100	90 to 100	
10	3126.4	62.53	66.50	33.50	0 to 20	25 to 55	
4.75	1626	32.52	99.02	0.98	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	152.4	3.05	3.05	96.95	85-100	90 to 100	
20	4126.4	82.53	85.58	14.42	0 to 20	30 to 70	
10	689.6	13.79	99.37	0.63	0 to 5	10 to 25	
4.75	31.4	0.63	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

.....End of Report.....

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/STEEL/2502/2022-23	Date	07.12.2022

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	05.12.2022
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
BASAVASAMATHI LAYOUT	***2ND A CROSS ROAD***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.388	565.20	635.20	19.62	Passes
2		10	0.612	583.26	645.20	21.52	Passes
3		12	0.838	574.38	623.80	22.43	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/STEEL/2509/2022-23	Date	14.12.2022

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	12.12.2022
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
5TH BLOCK HMT LAYOUT	***17TH CROSS Rd***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.380	546.20	625.40	21.60	Passes
2		10	0.612	592.40	672.40	19.62	Passes
3		12	0.830	536.40	639.40	21.42	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/STEEL/2564/2022-23	Date	10.12.2022

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	07.12.2022
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
BASAVASAMATHI LAYOUT	***2nd B CROSS ROAD***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.386	554.80	642.10	18.30	Passes
2		10	0.614	592.40	656.60	20.00	Passes
3		12	0.832	567.80	673.20	21.60	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Karnataka Material Test House Pvt Ltd. ★ Bangalore ★

Prepared & Checked by
Nagaraj K.S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Steel/3049/2022-23	Date	05.12.2022

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	02.12.2022
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
NAIDU LAYOUT	***MAIN ROAD***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.379	574.60	636.80	18.96	Passes
2		10	0.610	568.20	627.20	20.26	Passes
3		12	0.837	655.20	621.80	22.22	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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AEE (NRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2503/2022-23	Date	17.02.2023

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	16.02.2023
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
MARIYAMMA BLOCK	***MAIN ROAD***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.380	555.20	612.68	20.84	Passes
2		10	0.611	568.40	625.90	21.24	Passes
3		12	0.813	574.20	623.40	19.64	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2618/2022-23	Date	20.12.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	12.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for drain (2 A Cross Rd)	12.12.2022	19.12.2022	7 Days	22500.00	8264	265.4	11.80
2		12.12.2022	19.12.2022		22500.00	8268	272.6	12.12
3		12.12.2022	19.12.2022		22500.00	8246	256.4	11.40

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2619/2022-23	Date	10.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	12.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for drain (2 A Cross Rd)	12.12.2022	9.01.2023	28 Days	22500.00	8064	412.6	18.34
2		12.12.2022	9.01.2023		22500.00	8026	426.2	18.94
3		12.12.2022	9.01.2023		22500.00	8120	419.4	18.64

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

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Report No	KMTH/Cubes/2620/2022-23	Date	25.02.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	17.02.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC for Culvert (Arch Rd)	17.02.2023	24.02.2023	7 Days	22500.00	8326	260.4	11.57
2		17.02.2023	24.02.2023		22500.00	8215	266.4	11.84
3		17.02.2023	24.02.2023		22500.00	8246	267.2	11.88

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2621/2022-23	Date	18.03.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	17.02.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Culvert (Arch Rd)	17.02.2023	17.03.2023	28 Days	22500.00	8168	406.2	18.05
2		17.02.2023	17.03.2023		22500.00	8146	410.0	18.22
3		17.02.2023	17.03.2023		22500.00	8266	402.3	17.88

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Report No	KMTH/Cubes/2622/2022-23	Date	22.12.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	14.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (17th Cross Rd)	14.12.2022	21.12.2022	7 Days	22500.00	8264	266.4	11.84
2		14.12.2022	21.12.2022		22500.00	8200	259.8	11.55
3		14.12.2022	21.12.2022		22500.00	8254	263.4	11.71

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

Phone: 080-2341 8668, 23511213 Mobile: 94485 15258

E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2623/2022-23	Date	12.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	14.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (17th Cross Rd)	14.12.2022	11.01.2023	28 Days	22500.00	8168	386.9	17.20
2		14.12.2022	11.01.2023		22500.00	8046	399.4	17.75
3		14.12.2022	11.01.2023		22500.00	8058	410.2	18.23

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Phone: 080-2341 8668, 23511213 Mobile: 94485 15258

E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

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Report No	KMTH/Cubes/2624/2022-23	Date	28.12.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	20.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (2nd Cross Rd)	20.12.2022	27.12.2023	7 Days	22500.00	8326	264.8	11.77
2		20.12.2022	27.12.2023		22500.00	8320	255.8	11.37
3		20.12.2022	27.12.2023		22500.00	8326	243.6	10.83

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd. Bangalore

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E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2625/2022-23	Date	18.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	20.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (2nd Cross Rd)	20.12.2022	17.01.2023	28 Days	22500.00	8200	410.2	18.23
2		20.12.2022	17.01.2023		22500.00	8198	386.4	17.17
3		20.12.2022	17.01.2023		22500.00	8264	406.2	18.05

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd

(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab.
TC-6050

Report No	KMTH/Cubes/2626/2022-23	Date	11.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	3.01.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (Raguram Layout 4th Cross Rd)	3.01.2023	10.01.2023	7 Days	22500.00	8322	246.8	10.97
2		3.01.2023	10.01.2023		22500.00	8264	236.8	10.52
3		3.01.2023	10.01.2023		22500.00	8348	236.4	10.51

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2627/2022-23	Date	1.02.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	3.01.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Drain (Raguram Layout 4th Cross Rd)	3.01.2023	31.01.2023	28 Days	22500.00	8122	406.2	18.05
2		3.01.2023	31.01.2023		22500.00	8026	395.6	17.58
3		3.01.2023	31.01.2023		22500.00	8062	410.8	18.26

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd

(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2628/2022-23	Date	14.03.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	6.03.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC for Culvert (Naidu Layout main Rd)	6.03.2023	13.03.2023	7 Days	22500.00	8264	246.2	10.94
2		6.03.2023	13.03.2023		22500.00	8326	250.4	11.13
3		6.03.2023	13.03.2023		22500.00	8266	243.2	10.81

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/Cubes/2629/2022-23	Date	04.04.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	6.03.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC for Culvert (Naidu Layout main Rd)	6.03.2023	03.04.2023	28 Days	22500.00	8102	398.6	17.72
2		6.03.2023	03.04.2023		22500.00	8098	400.2	17.79
3		6.03.2023	03.04.2023		22500.00	8120	413.2	18.36

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/2509/2022-23	Date	22.01.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	20.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Rafting (2nd A Cross Rd Basavasamathi)	14.12.2022	21.12.2022	7 Days	22500.00	8326	399.4	17.75
2		14.12.2022	21.12.2022		22500.00	8422	388.6	17.27
3		14.12.2022	21.12.2022		22500.00	8326	392.4	17.44

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/2513/2022-23	Date	09.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	30.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (2nd Cross Rd Basavasamathi)	30.12.2022	06.01.2023	7 Days	22500.00	8360	389.6	17.32
2		30.12.2022	06.01.2024		22500.00	8264	401.2	17.83
3		30.12.2022	06.01.2025		22500.00	8322	412.8	18.35

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/2570/2022-23	Date	23.03.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara, Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	14.03.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Seshadri Nivasa #39 Rd)	14.03.2023	21.03.2023	7 Days	22500.00	8346	386.4	17.17
2		14.03.2023	21.03.2023		22500.00	8420	368.7	16.39
3		14.03.2023	21.03.2023		22500.00	8330	380.4	16.91

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/8104/2022-23	Date	17.01.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	19.12.2022
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain wall (Naidu 2nd Cross Rd)	19.12.2022	16.01.2023	28 Days	22500.00	8068	622.2	27.65
2		19.12.2022	16.01.2023		22500.00	8108	632.4	28.11
3		19.12.2022	16.01.2023		22500.00	8054	617.6	27.45

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/8115/2022-23	Date	06.04.2023

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	08.03.2023
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert wall (Naidu Layout Main Rd)	8.03.2023	5.04.2023	28 Days	22500.00	8246	633.4	28.15
2		8.03.2023	5.04.2023		22500.00	8146	629.4	27.97
3		8.03.2023	5.04.2023		22500.00	8206	628.4	27.93

1N/Sq.mm=10kg/Sq.cm(Approx)

* As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/2521/2022-23	Date	17.03.2023

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	14.03.2023
Date of Testing	15.03.2023
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm
NAIDU LAYOUT	***MAIN ROAD***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
250mm Slab														
1	S-01	95.00	189.98	2.00	7085	140.2	19.79	1.00	19.79	24.74	24.6	1.8460	0.00135	1371.54
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		1.7860	0.00135	1326.82
3	S-03	95.00	189.88	2.00	7085	138.4	19.54	1.00	19.53	24.42		1.8640	0.00135	1385.64

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

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AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/2518/2022-23	Date	23.02.2023

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Sample Received	19.01.2023
Date of Testing	20.01.2023
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -920mm, Height-100mm,Width600mm
NAIDU LAYOUT	***2ND CROSS ROAD***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	51.00	99.98	1.96	2042	32.8	16.06	1.00	15.99	19.99	20.7	0.8640	0.00020	4232.44
2	S-02	50.60	100.00	1.98	2010	33.6	16.72	1.00	16.67	20.84		0.8240	0.00020	4099.74
3	S-03	50.40	99.89	1.98	1994	34.2	17.15	1.00	17.12	21.40		0.8330	0.00020	4182.08

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

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AEE (VRP) SB

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Solid Block/2593/2022-23	Date	30.12.2022

TEST RESULTS ON SOLID BLOCKS

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	28.12.2022
Source of Sample	Supplied by the Client
Size & Shape of Sample	6" SOLID BLOCKS
Technical Referance	IS : 2185 (Part I) - 2005
TINDLU ROAD	***9TH CROSS ROAD***

COMPRESSIVE STRENGTH

Sl No	*Identification of members	Dimensions in mm			Nominal Area (mm2)	Dry Weight of sample in gm	Max. Failure Load in KN	Ind. Compressive Strength N/mm2	Average Compressive Strength- N/mm2
		L	B	H					
6" Block									
1	Sample-01	398.98	199.98	149.89	59803.11	24866.00	300.40	5.02	5.02
2	Sample-02	400.00	199.86	150.00	60000.00	25326.00	299.80	5.00	5.00
3	Sample-03	399.89	198.98	149.99	59979.50	25412.00	308.70	5.15	5.15

**As furnished by the client*

Remarks ***Above Sample confirms to the requirements of IS-2185 (Part-1) 2005 Table 2.0, Clause 5.1, 5.2 & 9.4) Page No-4 Passes the test***

For **Karnataka Material Test House Pvt Ltd.,**

Checked & Prepared by
K S Nagaraj BE(Civil)
Director

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

.....End of Report.....

Approved by
B.Narayanaswamy BE(Civil)
Managing Director

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AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/2529/2022-23	Date	16.02.2023

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	13.02.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications

BASAVASAMATHI LAYOUT ***AYYAPPA ROAD***

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	310.2	310.2	3.10	96.90	95-100
22.4	2568.4	2878.6	28.79	71.21	60-80
11.2	1684.2	4562.8	45.63	54.37	40-60
4.75	1752.4	6315.2	63.15	36.85	25-40
2.36	1002.6	7317.8	73.18	26.82	15-30
0.6	926.4	8244.2	82.44	17.56	8--22
0.75	1324.6	9568.8	95.69	4.31	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.97%	Should not be more than 2%
2	Flakiness & Elongation Index	25.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.6%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/2554/2022-23	Date	11.02.2023

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	09.02.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications

4TH BLOCK HMT LAYOUT ***9TH CROSS ROAD***

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	310.2	310.2	3.10	96.90	95-100
22.4	2568.4	2878.6	28.79	71.21	60-80
11.2	1684.2	4562.8	45.63	54.37	40-60
4.75	1752.4	6315.2	63.15	36.85	25-40
2.36	1002.6	7317.8	73.18	26.82	15-30
0.6	926.4	8244.2	82.44	17.56	8--22
0.75	1324.6	9568.8	95.69	4.31	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.97%	Should not be more than 2%
2	Flakiness & Elongation Index	25.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.6%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/2534/2023	Date	20.02.2023

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	16.02.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications

NAIDU LAYOUT ***2ND CROSS ROAD***

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	310.2	310.2	3.10	96.90	95-100
22.4	2568.4	2878.6	28.79	71.21	60-80
11.2	1684.2	4562.8	45.63	54.37	40-60
4.75	1752.4	6315.2	63.15	36.85	25-40
2.36	1002.6	7317.8	73.18	26.82	15-30
0.6	926.4	8244.2	82.44	17.56	8--22
0.75	1324.6	9568.8	95.69	4.31	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.97%	Should not be more than 2%
2	Flakiness & Elongation Index	25.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.6%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/8121/2023	Date	20.03.2023

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	17.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications
GANESHA APARTMENT	***CROSS ROAD-2***
WMM MATERIAL	***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	300.2	300.2	3.00	97.00	95-100
22.4	2368.4	2668.6	26.69	73.31	60-80
11.2	2126.2	4794.8	47.95	52.05	40-60
4.75	1876.4	6671.2	66.71	33.29	25-40
2.36	1264.2	7935.4	79.35	20.65	15-30
0.6	856.4	8791.8	87.92	12.08	8--22
0.75	946.4	9738.2	97.38	2.62	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.83%	Should not be more than 2%
2	Flakiness & Elongation Index	23.6%	Shall not be more than 40%
3	Aggregate Crushing Value	17.8%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/2541/2022-23	Date	20.02.2023

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	16.02.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS
BEL LAYOUT	***3RD CROSS***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	52.4	52.4	5.24	94.76	90-100
19	232.6	285	28.50	71.50	71-95
13.2	142.2	427.2	42.72	57.28	56-80
4.75	100.2	527.4	52.74	47.26	38-54
2.36	162.2	689.6	68.96	31.04	28-42
0.3	186.6	876.2	87.62	12.38	7--21
0.075	96.6	972.8	97.28	2.72	2--8

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72
4	514.2	486.8	27.40	5.33

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

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AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/2560/2022-23	Date	16.02

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalo
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengalu 560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	14.02.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

4TH BLOCK HMT LAYOUT ***9th CROSS ROAD***

BC MATERIAL ***Weight of sample taken*** ***1000*** ***gm*** ***GRA***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passi MO
37.5	0.0	0	0.00	100.00	1(
26.5	52.4	52.4	5.24	94.76	90-
19	232.6	285	28.50	71.50	71-
13.2	142.2	427.2	42.72	57.28	56-
4.75	100.2	527.4	52.74	47.26	38-
2.36	162.2	689.6	68.96	31.04	28-
0.3	186.6	876.2	87.62	12.38	7--
0.075	96.6	972.8	97.28	2.72	2-

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72
4	514.2	486.8	27.40	5.33

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
NagarajK S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd

(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab.
TC-6050

Report No	KMTH/DGBM/2543/2022-23	Date	13.03.2023

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	10.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

NAIDU LAYOUT — ***1ST CROSS ROAD***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	66.4	66.4	6.64	93.36	90-100
19	199.6	266	26.60	73.40	71-95
13.2	152.4	418.4	41.84	58.16	56-80
4.75	109.4	527.8	52.78	47.22	38-54
2.36	152.2	680	68.00	32.00	28-42
0.3	196.4	876.4	87.64	12.36	7--21
0.075	97.2	973.6	97.36	2.64	2--8

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	511.2	482.6	28.60	5.59
2	512.2	485.4	26.80	5.23
3	513.4	486.2	27.20	5.30
4	515.4	485.2	30.20	5.86

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd

(NABL Accredited Laboratory as per ISO/IEC-17025 : 2017) CIN No: U74210KA2004PTC035137
No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Phone: 080-2341 8668, 23511213 Mobile: 94485 15258
E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

NABL Accredited Lab. TC-6050

Report No	KMTH/DGBM/2541/2022-23	Date	13.03.2023

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	10.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

NAIDU LAYOUT ***1ST CROSS ROAD***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	52.4	52.4	5.24	94.76	90-100
19	232.6	285	28.50	71.50	71-95
13.2	142.2	427.2	42.72	57.28	56-80
4.75	100.2	527.4	52.74	47.26	38-54
2.36	162.2	689.6	68.96	31.04	28-42
0.3	186.6	876.2	87.62	12.38	7--21
0.075	96.6	972.8	97.28	2.72	2--8

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72
4	514.2	486.8	27.40	5.33

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2555/2022-23	Date	10.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	07.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

5TH BLOCK HMT LAYOUT ***19th CROSS ROAD***

BC MATERIAL ***Weight of sample taken*** ***1000*** ***gm*** ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	41.8	41.8	4.18	95.82	90-100
9.5	233.4	275.2	27.52	72.48	70-88
4.75	143.6	418.8	41.88	58.12	53-71
2.36	99.8	518.6	51.86	48.14	42-58
1.18	73.4	592	59.20	40.80	34-48
0.6	82.4	674.4	67.44	32.56	26-38
0.3	79.6	754	75.40	24.60	18-28
0.15	87.4	841.4	84.14	15.86	12--20
0.075	99.2	940.6	94.06	5.94	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	520.2	486.4	33.80	6.50
2	517.4	482.6	34.80	6.73
3	516.2	484.2	32.00	6.20
4	511.8	482.2	29.60	5.78

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

AEE (VRP) SD

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2597/2022-23	Date	18.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	16.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

L.G ENCLAVE — ***MAIN ROAD***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	41.8	41.8	4.18	95.82	90-100
9.5	233.4	275.2	27.52	72.48	70-88
4.75	143.6	418.8	41.88	58.12	53-71
2.36	99.8	518.6	51.86	48.14	42-58
1.18	73.4	592	59.20	40.80	34-48
0.6	82.4	674.4	67.44	32.56	26-38
0.3	79.6	754	75.40	24.60	18-28
0.15	87.4	841.4	84.14	15.86	12--20
0.075	99.2	940.6	94.06	5.94	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	520.2	486.4	33.80	6.50
2	517.4	482.6	34.80	6.73
3	516.2	484.2	32.00	6.20
4	511.8	482.2	29.60	5.78

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2598/2022-23	Date	18.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	16.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

L.G ENCLAVE — ***CROSS ROAD-3***

BC MATERIAL — ***Weight of sample taken*** — ***1000*** — ***gm*** — ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	42.6	42.6	4.26	95.74	90-100
9.5	250.2	292.8	29.28	70.72	70-88
4.75	139.2	432	43.20	56.80	53-71
2.36	101.2	533.2	53.32	46.68	42-58
1.18	76.4	609.6	60.96	39.04	34-48
0.6	80.2	689.8	68.98	31.02	26-38
0.3	82.6	772.4	77.24	22.76	18-28
0.15	75.6	848	84.80	15.20	12--20
0.075	100.2	948.2	94.82	5.18	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	467.4	32.60	6.52
2	500.0	470.6	29.40	5.88
3	502.0	471.4	30.60	6.10
4	506.0	476.8	29.20	5.77

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2536/2022-23	Date	10.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	*Package-7 Consists of 7 Works*
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	08.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

KALATHUR LAYOUT ***MAIN ROAD***

BC MATERIAL ***Weight of sample taken*** ***1000*** ***gm*** ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	41.8	41.8	4.18	95.82	90-100
9.5	233.4	275.2	27.52	72.48	70-88
4.75	143.6	418.8	41.88	58.12	53-71
2.36	99.8	518.6	51.86	48.14	42-58
1.18	73.4	592	59.20	40.80	34-48
0.6	82.4	674.4	67.44	32.56	26-38
0.3	79.6	754	75.40	24.60	18-28
0.15	87.4	841.4	84.14	15.86	12--20
0.075	99.2	940.6	94.06	5.94	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	520.2	486.4	33.80	6.50
2	517.4	482.6	34.80	6.73
3	516.2	484.2	32.00	6.20
4	511.8	482.2	29.60	5.78

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2536/2022-23	Date	15.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	13.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

NAIDU LAYOUT ***2ND CROSS ROAD***

BC MATERIAL ***Veight of sample take*** ***1000*** ***gm*** ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	42.6	42.6	4.26	95.74	90-100
9.5	250.2	292.8	29.28	70.72	70-88
4.75	139.2	432	43.20	56.80	53-71
2.36	101.2	533.2	53.32	46.68	42-58
1.18	76.4	609.6	60.96	39.04	34-48
0.6	80.2	689.8	68.98	31.02	26-38
0.3	82.6	772.4	77.24	22.76	18-28
0.15	75.6	848	84.80	15.20	12--20
0.075	100.2	948.2	94.82	5.18	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	467.4	32.60	6.52
2	500.0	470.6	29.40	5.88
3	502.0	471.4	30.60	6.10
4	506.0	476.8	29.20	5.77

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

AEE (WRP) SD

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2538/2022-23	Date	31.03.2023

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri K lakhsminarayana Reddy, No. 1,15th Cross,Kanakanagar,R T Nagar Post Bengaluru-560032.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package-7 Consists of 7 Works
Work Order No	BBMP/EE/BTP/WO/77/2022-23
Job Code No	009-23-000004
Date of Testing	28.03.2023
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

GANESHA APARTMENT ***CROSS ROAD-2***

BC MATERIAL ***Weight of sample taken*** ***1000*** ***gm*** ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.6	29.6	2.96	97.04	90-100
9.5	253.2	282.8	28.28	71.72	70-88
4.75	164.2	447	44.70	55.30	53-71
2.36	112.4	559.4	55.94	44.06	42-58
1.18	95.4	654.8	65.48	34.52	34-48
0.6	106.2	761	76.10	23.90	26-38
0.3	54.2	815.2	81.52	18.48	18-28
0.15	66.8	882	88.20	11.80	12--20
0.075	74.9	956.9	95.69	4.31	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	507.0	474.2	32.80	6.47
2	506.4	475.4	31.00	6.12
3	506.0	475.6	30.40	6.01
4	506.0	474.2	31.80	6.28

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. ★ Bangalore ★

AEE (VRP) SD

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Narayanswamy.B

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